

PATENT ABSTRACTS OF JAPAN

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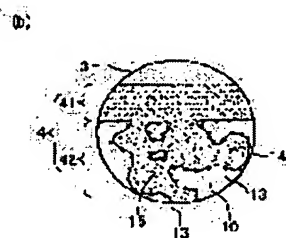
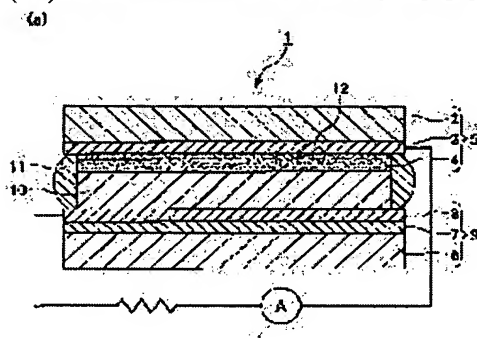
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(54) DYE SENSITIZED PHOTOCELL AND ITS MANUFACTURING METHOD



(57)Abstract:

PROBLEM TO BE SOLVED: To provide a dye sensitized photocell with high adhesion of a metal oxide layer to a supporting body, and provide a manufacturing method for the dye sensitized photocell capable of simplifying coating and baking.

SOLUTION: A conductor layer 3 and a metal oxide layer 4 are formed on a substrate 2, a sensitizing dye 13 comprising a metal complex and a dye is adsorbed in the metal oxide layer 4 to form a photo-electrode 5, and the photo-electrode 5 and a counter electrode 9 obtained by forming a conductor layer 7 and reflecting layer 8 on a substrate 6 are arranged so as to face their film surfaces, and an electrolyte solution 10 is sealed between both electrodes to constitute the dye sensitized photocell 1, and the metal oxide layer 4 has two layer structure comprising a first metal oxide layer 41 having dense structure and a

second metal oxide layer 42 having porous structure.

LEGAL STATUS

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